

FIG. 1

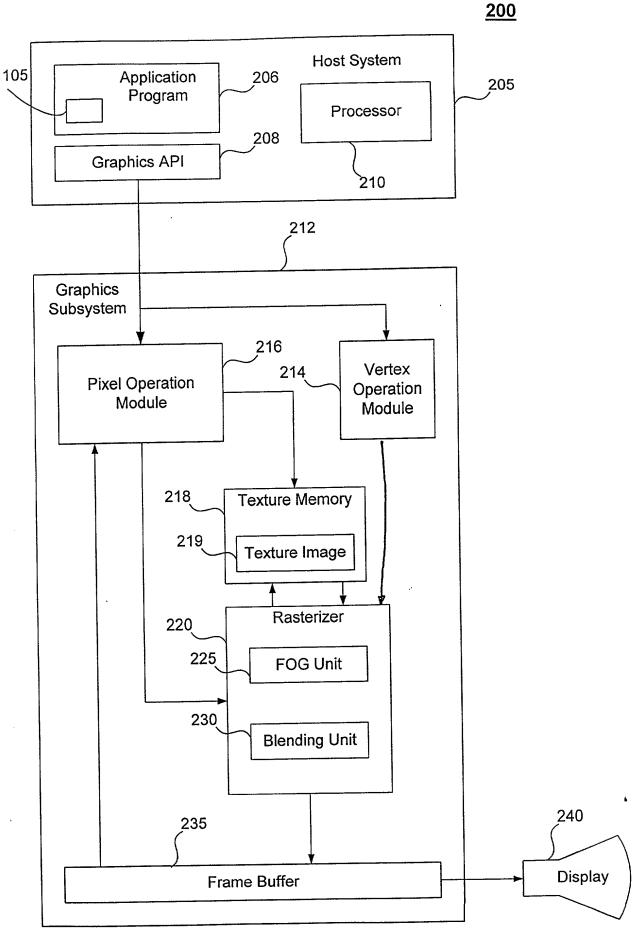


FIG. 2

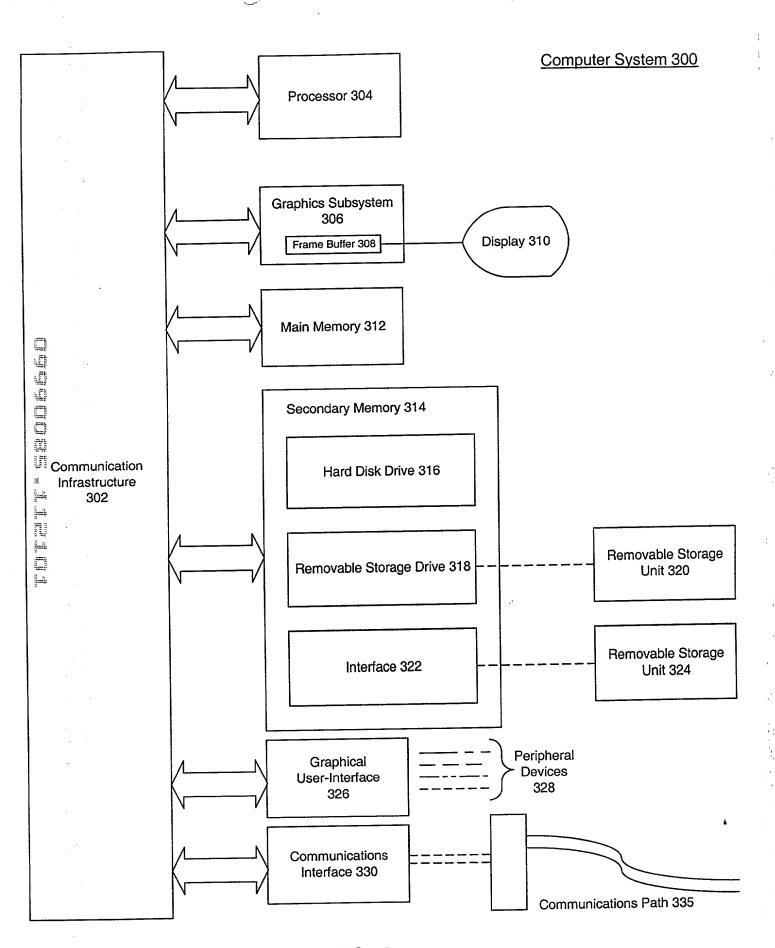


FIG. 3

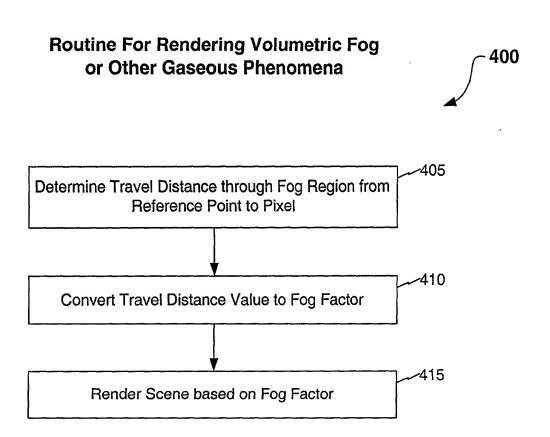


FIG. 4

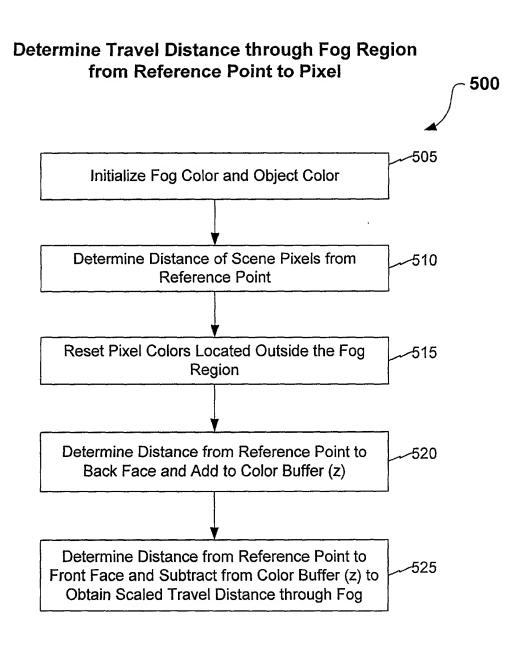


FIG. 5



Determine Distance of Scene Pixels From Reference Point

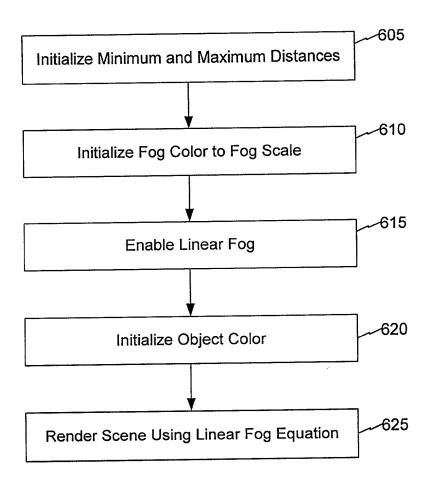


FIG. 6

Linear Fog Equation

Equation One (1)

Attenuation Factor(f) = Maximum Distance - Pixel Distance

Maximum Distance - Minimum Distance

Equation Two (2)

Color = f • Object Color + (1-f) • Fog Color

Equation Three (3)

Color = Pixel Distance - Minimum Distance - Fog Scale

Maximum Distance - Minimum Distance - Fog Scale

FIG. 7

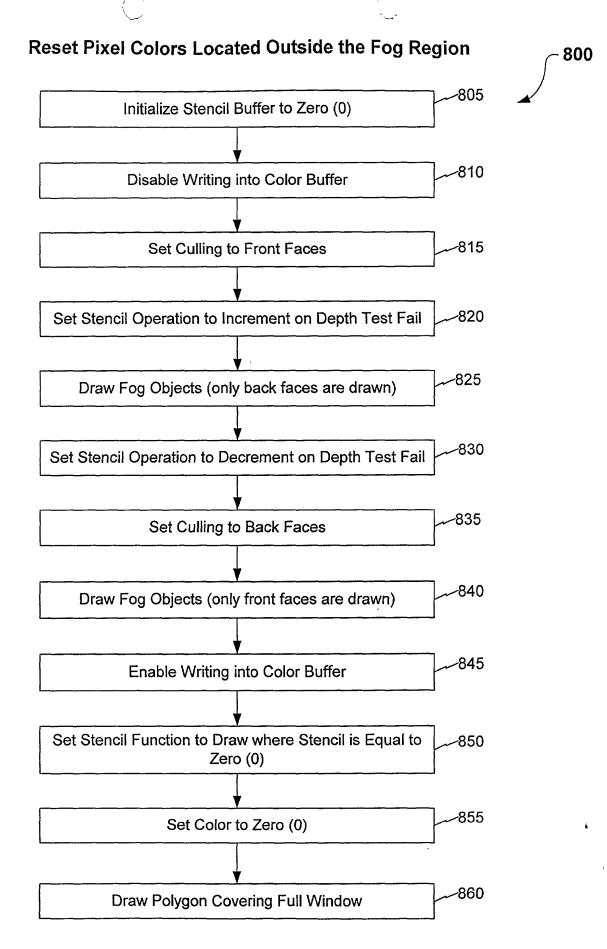


FIG. 8

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Determine Travel Distance through Fog Region from Reference Point to Pixel

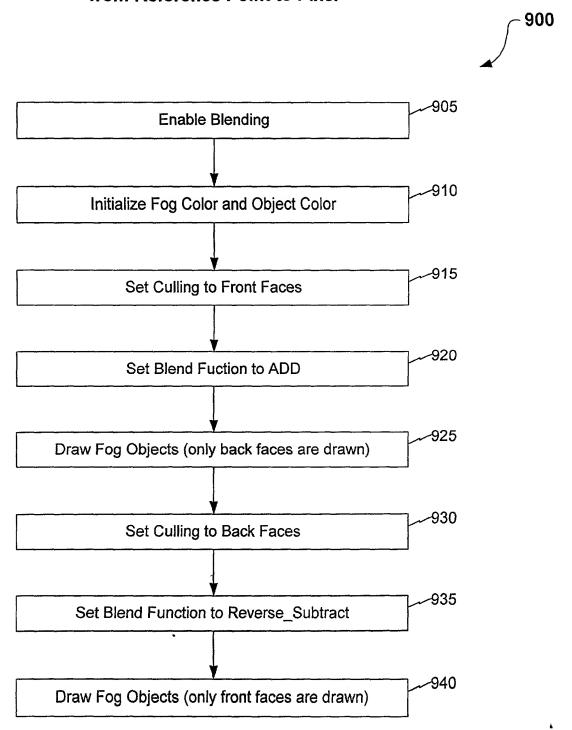


FIG. 9

Render Scene Based on Fog Factor

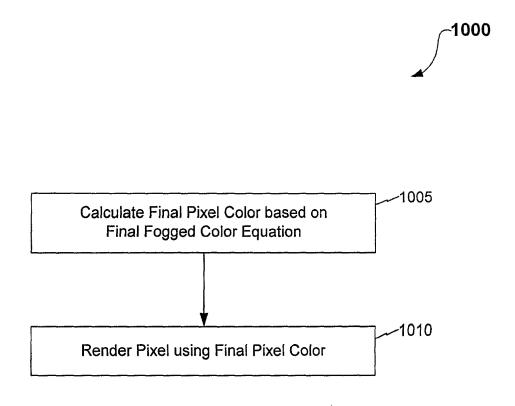


FIG. 10

Final Fogged Color Equation

Unfogged pixel color • fog factor + fog color • (1 - fog factor)

Render Scene Based on Fog Factor

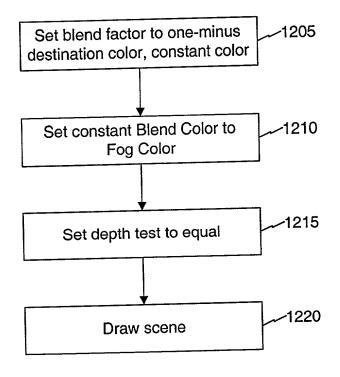


FIG. 12

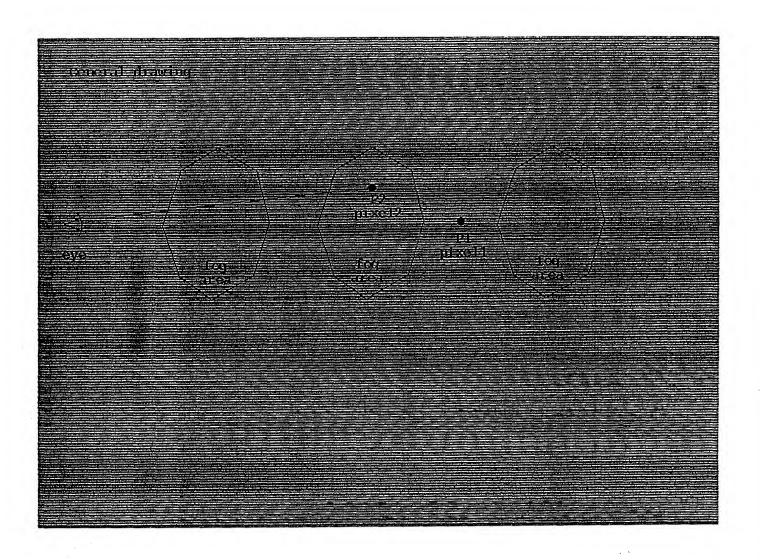


FIG. 13A

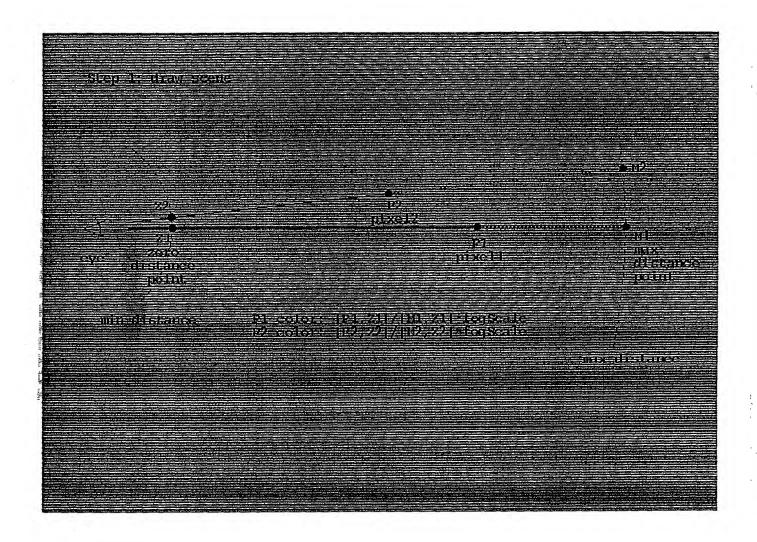


FIG. 13B

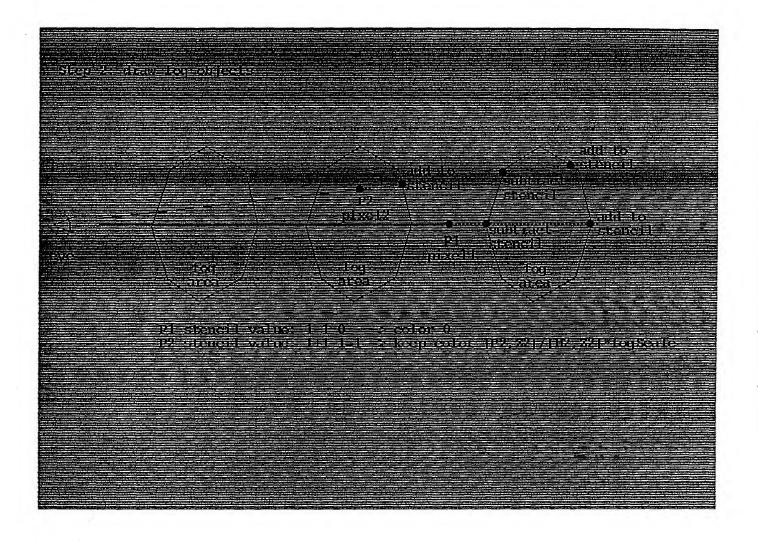


FIG. 13C

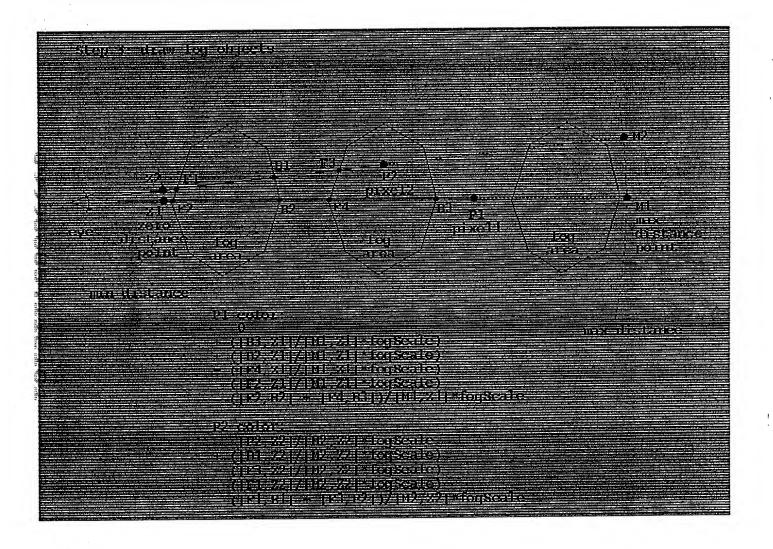


FIG. 13D

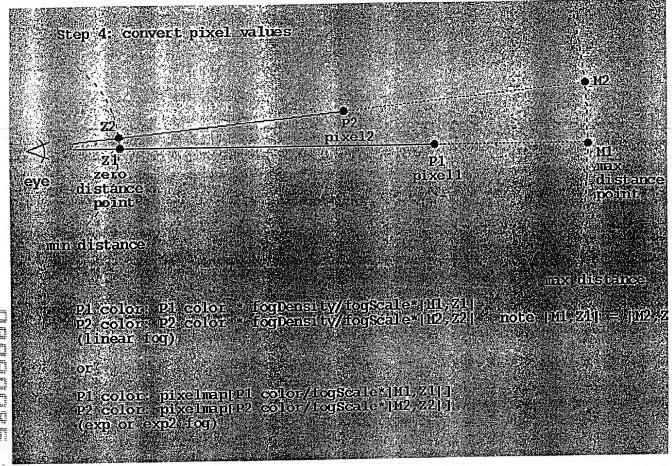


FIG. 13E

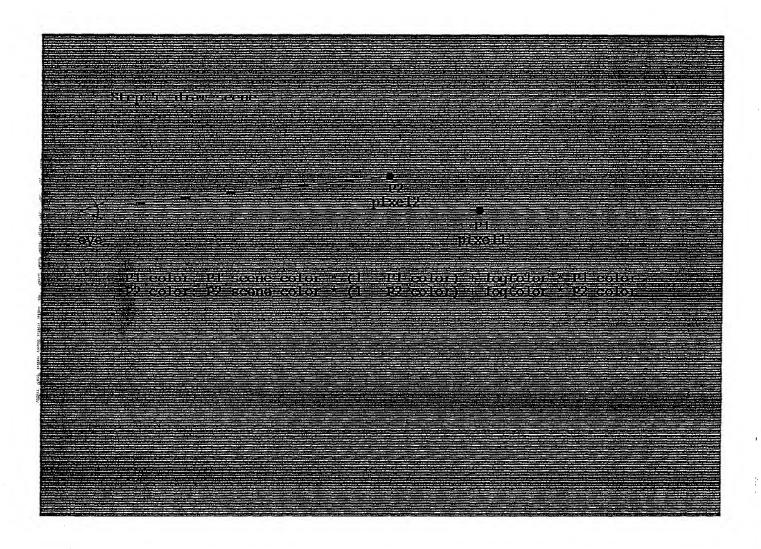


FIG. 13F